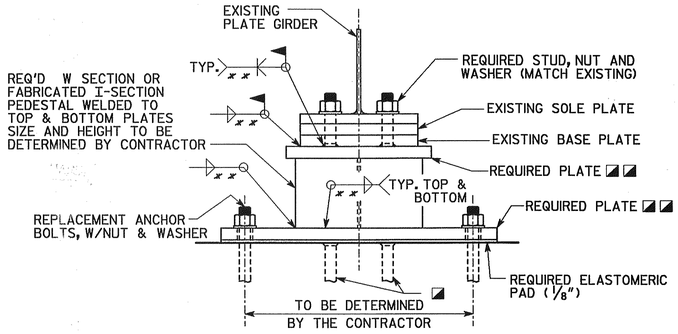
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | NHS-M001-00(996) | 19 | 59 |



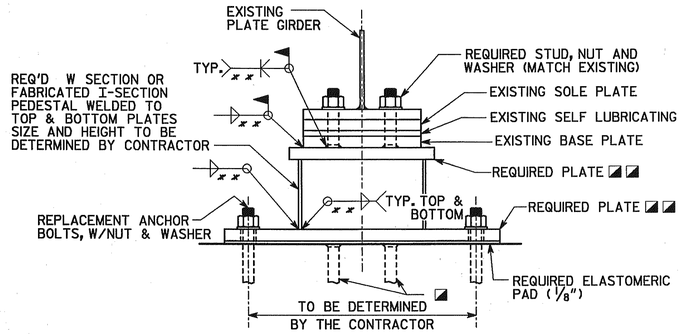

## PEDESTAL/BEARING ASSEMBLY SCHEMATIC

( ABUTMENTS 1 AND 5 )

◪ CHIP CONCRETE AROUND EXISTING ANCHOR BOLTS TO 3/16"BELOW TOP OF CAP, CUT ANCHOR BOLTS AND FILL HOLE WITH EPOXY BONDING COMPOUND

✱✱ SIZE TO BE DETERMINED BY THE CONTRACTOR

◪◪ SEE NOTES




## PEDESTAL/BEARING ASSEMBLY SCHEMATIC

( BENTS 2 AND 4 )

◪ CHIP CONCRETE AROUND EXISTING ANCHOR BOLTS TO 3/16"BELOW TOP OF CAP, CUT ANCHOR BOLTS AND FILL HOLE WITH EPOXY BONDING COMPOUND

✱✱ SIZE TO BE DETERMINED BY THE CONTRACTOR

◪◪ SEE NOTES

## NOTES

WELDS-ALL WELDS SHOWN SHALL BE PROPERLY SIZED TO RESIST ANY LOADS APPLIED THROUGH THE BEARINGS AS PER THE AASHTO SPECIFICATIONS.

EXISTING BEARING COMPONENTS - THE CONTRACTOR AND FIELD ENGINEER SHALL INSPECT ALL EXISTING BEARINGS TO IDENTIFY ANY DEFECTIVE BEARING COMPONENTS. IF ANY DEFECTIVE BEARING COMPONENTS ARE FOUND, THEY SHALL BE REPLACED. COMPENSATION FOR ANY REQUIRED BEARING COMPONENT REPLACEMENTS SHALL BE MADE BY MEANS OF A SUPPLEMENTAL AGREEMENT. EXISTING BEARINGS SHALL THEN BE CLEANED AND PAINTED AS PER SECTION 535 OF THE GDOT STANDARD SPECIFICATIONS.

ANCHOR BOLTS-NEW ANCHOR BOLTS SHALL BE SWEDGED WITH SQUARE PLATE WASHERS AND HEX NUTS AND SHALL BE ASTM-1276 TYPE 304 STAINLESS STEEL. SECURE ANCHOR BOLTS IN HOLES WITH AN APPROVED TYPE VIII EPOXY RESIN ADHESIVE.

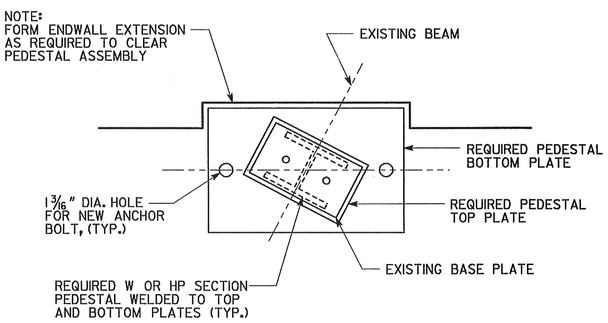
DRILLED HOLES- REQUIRED HOLES FOR NEW ANCHOR BOLTS SHALL BE 3"DIA. BY 12"DIA DEEP. USE AN IMPACT DRILL FOR DRILLING HOLES IN CONCRETE. DO NOT DAMAGE THE EXISTING CAP MAIN REINFORCING STEEL.

NEW STEEL-ALL NEW BEARING ASSEMBLY COMPONENTS SHALL BE A709 GR 36 STEEL UNLESS OTHERWISE NOTED AND SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH SECTION 535 OF THE GDOT STANDARD SPECIFICATIONS.

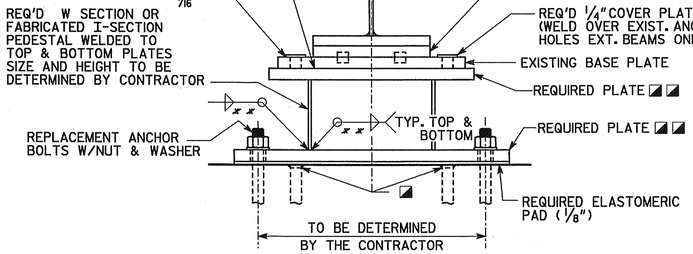
ELASTOMERIC PADS-PROVIDE ELASTOMERIC PADS BETWEEN TOP OF CAP AND BEARING ASSEMBLY IN LIEU OF RED PRIMER-SATURATED DUCK AS SPECIFIED IN SECTION 501.03.05 ELASTOMERIC PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE WITH TWO 13/16"DIAMETER HOLES FOR ANCHOR BOLTS.

COST OF MATERIALS-COST OF CLEANING AND PAINTING BEARINGS, FURNISHING AND INSTALLING PLATES, PEDESTALS, ANCHOR BOLTS, ELASTOMERIC PADS AND ANY OTHER MATERIALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 518-RAISE EXISTING BRIDGE.

BEARING ASSEMBLY STUDS - THE REQUIRED STUDS SHALL BE PLACED IN THE EXISTING BASE PLATE ANCHOR BOLT HOLES AND WELDED AS SHOWN. COUNTERSINK THE BOTTOM OF THE EXISTING HOLES IN THE BASE PLATE TO PROVIDE THE BEVEL REQUIRED FOR WELDING THE STUDS IN PLACE. THE BOTTOM OF THE BASE PLATE SHALL BE GROUND SMOOTH AT THE LOCATION OF THESE WELDS PRIOR TO THE INSTALLATION OF THE PEDESTAL.




## PLAN SCHEMATIC (END BENTS ONLY)



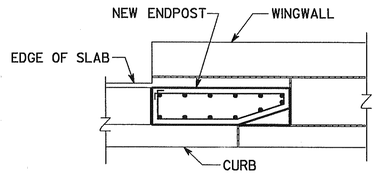

## PEDESTAL/BEARING ASSEMBLY SCHEMATIC

( BENT 3 )

◪ CHIP CONCRETE AROUND EXISTING ANCHOR BOLTS TO 3/16"BELOW TOP OF CAP, CUT ANCHOR BOLTS AND FILL HOLE WITH EPOXY BONDING COMPOUND

✱✱ SIZE TO BE DETERMINED BY THE CONTRACTOR

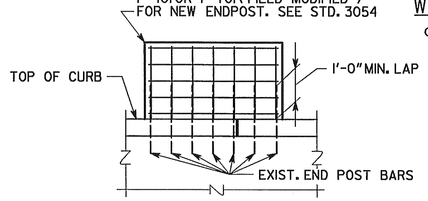
◪◪ SEE NOTES



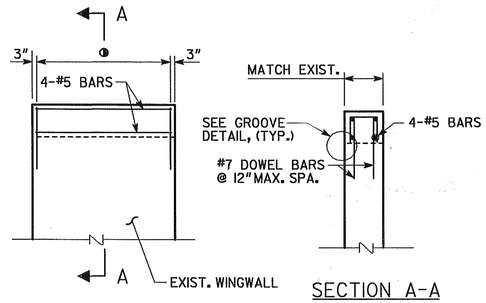

## ENDPOST PLAN

MATCH EXISTING ENDPOST WIDTH

REMOVE EXISTING ENDPOST AT TOP OF CURB. DO NOT DAMAGE SPLICE PORTION OF EXISTING VERTICAL BARS, TO BE SPLICED WITH P-401 OR P-701 ( FIELD MODIFIED ) FOR NEW ENDPOST. SEE STD. 3054



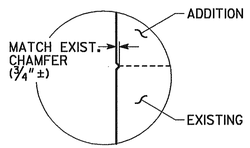

## ENDPOST ELEVATION




## SECTION A-A

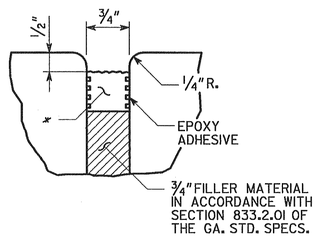
## WINGWALL ELEVATION

◑ #7 DOWEL BAR @ 12"MAX. S/W #5 ⊓ BAR




## GROOVE DETAIL

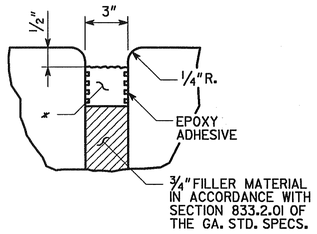
NOTE: ALL CONCRETE SHALL BE 24 HR. ACCELERATED STRENGTH CONCRETE AS PER SECTION 504 OF THE GEORGIA DOT STANDARD SPECIFICATIONS. COST OF REINFORCING TO BE INCLUDED IN THE PRICE BID FOR ITEM 504-0600-24 HR. ACCELERATED STRENGTH CONCRETE.




## 3/4"EXPANSION JOINT DETAIL

(BENTS 1 AND 5)

✱ SEAL PER SECTION 449.2.D OF THE GA. STD. SPECS.




## 3 "EXPANSION JOINT DETAIL

(BENTS 2 AND 4)

✱ SEAL PER SECTION 449.2.D OF THE GA. STD. SPECS.

| TEMPERATURE TABLE FOR JOINT WIDTHS | | |
|---|---|---|
| JT. PLAN DIM.✱ | DIM. @ 30°F | DIM. @ 90°F |
| 3 " | 3 3/8" | 2 5/8" |

✱ DENOTES: JOINT DIMENSION AT 60°F

GEORGIA REGISTERED PROFESSIONAL ENGINEER PE-029180 5-05-04 ROGER D. BYBEE

BRIDGE NO. 1

GEORGIA
## DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GRESHAM SMITH AND PARTNERS

JACKING DETAILS

PLEASANT VALLEY ROAD OVER I-75

BARTOW CO. NHS-M001-00(996)

SCALE: NONE JANUARY 2004

BRIDGE SHEET 3 OF 3

| BY | REVISIONS | DATE |
|---|---|---|
| | | |

DESIGNED LWD CHECKED RDB REVIEWED X
DRAWN RCP DESIGN GROUP X APPROVED X

X.DGN

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